

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Previously Presented): An apparatus for hardening a coating of an object, said coating including a material that hardens under electromagnetic radiation, the apparatus comprising:
at least one emitter that generates electromagnetic radiation;
a conveying system that transports the object into the vicinity of and away from the emitter;
wherein,
the spatial orientation of the at least one emitter or of a reflector associated therewith can be changed by means of a motor,
wherein a measuring station is located upstream of the at least one emitter in the conveying direction, said measuring station being capable of measuring spatial data of the object, and wherein the apparatus is configured to measure the spatial data and to harden the coating sequentially without changing the transport direction.
2. (Previously Presented): The apparatus of claim 1, wherein a first emitter extends within a plane that runs substantially parallel to a transporting plane of the conveying system and that the first emitter can be driven by means of a motor in a direction perpendicular to the transporting plane.
3. (Previously Presented): The apparatus of claim 2, wherein the arrangement comprises at least two further emitters that are arranged on both sides of a conveying stretch of the conveying system.
4. (Previously Presented): The apparatus of claim 3, wherein the at least two further emitters can be driven by means of a motor in directions perpendicular to a conveying direction of the conveying system.

5. (Previously Presented): The apparatus of claim 4, wherein the at least two further emitters can in each case be tilted or swivelled by means of a motor about an axis parallel to the conveying direction
6. (Previously Presented): The apparatus of claim 3, wherein the emitters are secured to a gantry that spans a conveying stretch of the conveying system in a bridge-like manner.
7. (Previously Presented): The apparatus of claim 1, wherein the apparatus comprises a control device by means of which the spatial orientation of the at least one emitter or of the reflector associated therewith can automatically be adapted to the contours of the object.
8. (Previously Presented): The apparatus of claim 7, wherein by means of the control device, the spatial orientation of the at least one emitter or of the reflector associated therewith can be altered in such a way that, during a conveying movement of the object past the at least one emitter, the amount of electromagnetic radiation incident per unit area on the material and its intensity in each case does not fall below predeterminable threshold values necessary for the hardening.
9. (Previously Presented): The apparatus of claim 8, wherein the control device is designed so that the amount of electromagnetic radiation incident per unit area on the material remains substantially constant.
10. (Previously Presented): The apparatus of claim 8, wherein the control device includes a memory for storing spatial data of the object.
11. (Cancelled):
12. (Previously Presented): The apparatus of claim 1, wherein the measuring station comprises at least one light barrier.
13. (Previously Presented): The apparatus of claim 1, wherein the measuring station comprises a video camera and a device for digital image recognition.

14. (Previously Presented): The apparatus of claim 1, wherein the measuring station comprises at least one optical scanner by means of which the object can be scanned in at least one direction.

15. (Previously Presented): The apparatus of claim 14, wherein the optical scanner comprises an infrared light source.

16. (Previously Presented): The apparatus of claim 1, further comprising a housing that is at least virtually gas-tight and impermeable to electromagnetic radiation, into the interior of which the object can be introduced and in which the at least one emitter is arranged.

17. (Previously Presented): The apparatus of claim 16, wherein a protective gas can be fed into the interior of the housing.

18. (Previously Presented): The apparatus of claim 17, wherein the protective gas is heavier than air.

19. (Previously Presented): The apparatus of claim 18, wherein the protective gas is lighter than air.

20. (Previously Presented): The apparatus of claim 17, wherein an inlet for the protective gas is provided in the immediate vicinity of the at least one emitter.

21. (Previously Presented): The apparatus of claim 16, wherein the housing is covered with a reflecting layer in the vicinity of the at least one emitter.

22. (Previously Presented): The apparatus of claim 21, wherein the reflecting layer comprises a plurality of unevennesses.

23. (Previously Presented): The apparatus of claim 21, wherein the reflecting layer includes an aluminium foil.

24. (Previously Presented): The apparatus of claim 16, wherein a container open to a transporting plane is arranged in the housing, which container can be filled with the protective gas.

25. (Previously Presented): The apparatus of claim 16, wherein a lock for respectively introducing and removing the object is arranged at an inlet and at an outlet of the housing.
26. (Previously Presented): The apparatus of claim 25, wherein an inlet for protective gas is arranged within the entry side lock in such a way that a cavity present in the object is flushed out with protective gas.
27. (Previously Presented): The apparatus of claim 16, wherein a device is provided for removing oxygen from the atmosphere contained within the housing.
28. (Previously Presented): The apparatus of claim 27, wherein the device for removing oxygen comprises a catalyst for the catalytic binding of the oxygen.
29. (Previously Presented): The apparatus of claim 27, wherein the device for removing oxygen comprises a filter for absorbing oxygen.
30. (Previously Presented): The apparatus of claim 27, wherein the device for removing oxygen comprises a filter for adsorbing oxygen.
31. (Previously Presented): The apparatus of claim 1, wherein a reflector for concentrating the radiation is associated with the at least one emitter, the shape of which reflector can be altered in order to change the radiation concentration.
32. (Previously Presented): The apparatus of claim 1, wherein a moveable reflector is associated with the at least one emitter on the side facing away from the object.
33. (Previously Presented): The apparatus of claim 1, wherein it comprises a preheating zone for removing solvents from the material of the coating.
34. (Previously Presented): The apparatus of claim 1, further comprising a preheating zone for gelling pulverulent material of the coating.
35. (Previously Presented): The apparatus of claim 1, further comprising a post heating zone for completing the hardening.

36. (Previously Presented): The apparatus of claim 1, the electromagnetic radiation is UV light.

37. (Cancelled)

38. (Previously Presented): The apparatus of claim 18, wherein the protective gas is carbon dioxide.

39. (Previously Presented): The apparatus of claim 19, wherein the protective gas is helium.